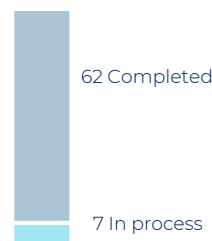


Reconnaissance and surface exploration

ARES fourth quarter 2023

Company	Project	Technology
Pemex Exploración y Producción	ARES-PMX-MX-15-7N1/11338-23	2D Seismic

69 current authorized projects



41%
With data acquisition

52%
With no data acquisition

7%
Well information with no acquisition

ARES register

104
Companies registered in
ARES

Top 5. Companies with most projects

Top	Company	Projects
1	Pemex	13
2	Dowell-Slb	12
3	Seitel	8
4	TCS	8
5	CGG México	7

Approved Exploration Plans, Appraisal and Pilot Programs Fourth quarter 2023

Operator	Block	Plan / Program	Approval date	Investment MMUSD	Wells
Pemex Exploración y Producción	AE-0131	Modification to the Exploration Plan	5-Oct-23	4.22	1
	AE-0180	Modification to the Exploration Plan	5-Oct-23	12.59	1
	AE-0175	Modification to the Exploration Plan	10-Oct-23	15.47	1
	AE-0130	Modification to the Exploration Plan	12-Oct-23	55.30	1
	AE-0148	Modification to the Exploration Plan	24-Oct-23	126.19	3
	AE-0166	Modification to the Exploration Plan	23-Nov-23	65.90	1
	AE-0149	Modification to the Exploration Plan	7-Dec-23	47.87	1
Pantera Exploración y Producción 2.2	CNH-R02-L01-A2.TM/2017	Modification to the Exploration Plan	7-Dec-23	66.67	1
	CNH-R02-L02-A7.BG/2017	Modification to the Evaluation Program	21-Nov-23	4.66	0
				398.87	10

Note:
The information corresponds to the most conservative scenarios

Authorized exploration wells Fourth quarter 2023

Operator	Block	Well	Location	Authorization date
Pemex Exploración y Producción	AE-0182	Lakxtum-1EXP	Onshore	5-Oct-23
		Panamak-1EXP	Onshore	31-Oct-23
	AE-0143	Jep-1EXP	Onshore	5-Dec-23
		Puk-1EXP	Onshore	5-Dec-23
	AE-048	Sejkan-1EXP	Shallow water	7-Dec-23
		Tlatitok-1EXP	Shallow water	7-Dec-23
	AE-0139	Rayuela-1EXP	Onshore	19-Oct-23
	AE-0153	Teekit-1101EXP	Shallow water	24-Oct-23
	AE-0129	Xadani-1EXP	Onshore	31-Oct-23
	AE-0157	Hayabil-1001EXP	Shallow water	14-Nov-23
	AE-0141	Bocbil-1EXP	Onshore	5-Dec-23
	AE-0161	Toloc-101EXP	Shallow water	5-Dec-23
	AE-0130	Ameyatl-1EXP	Onshore	7-Dec-23
	Jaguar Exploración y Producción 2.3	CNH-R02-L03-CS-06/2017	Kinkan-1EXP	Onshore
TotalEnergies EP México	CNH-R02-L01-A15.CS/2017	Ochkan-1EXP	Shallow water	14-Nov-23
Servicios Múltiples de Burgos	CNH-M3-MISIÓN/2018	Kabil-1EXP	Onshore	23-Nov-23

Note:
The modifications to drilling authorizations are not considered.

Wells completed in 2023

Result of completed wells in 2023

	Entitlements		Contracts	
	Exploratory	Appraisal	Exploratory	Appraisal
Oil producer	1	2		1
Dry gas producer			2	
Humid gas producer			1	
Oil discoverer	11	1	4	
Oil and gas discoverer			1	
Non-commercial producer	6	1		
Mechanical accident	3	1		
Water invaded	15		3	
Not successful		1		
Dry	4		6	
	40	6	17	1

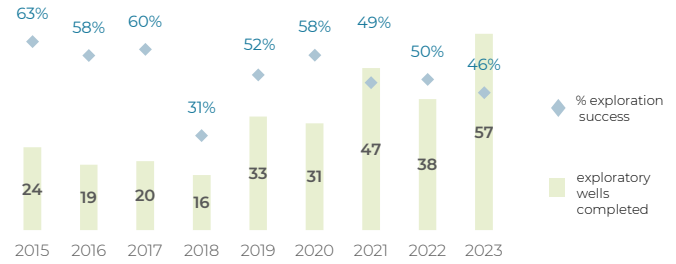
Notes

With the information available as of February 15, 2023.

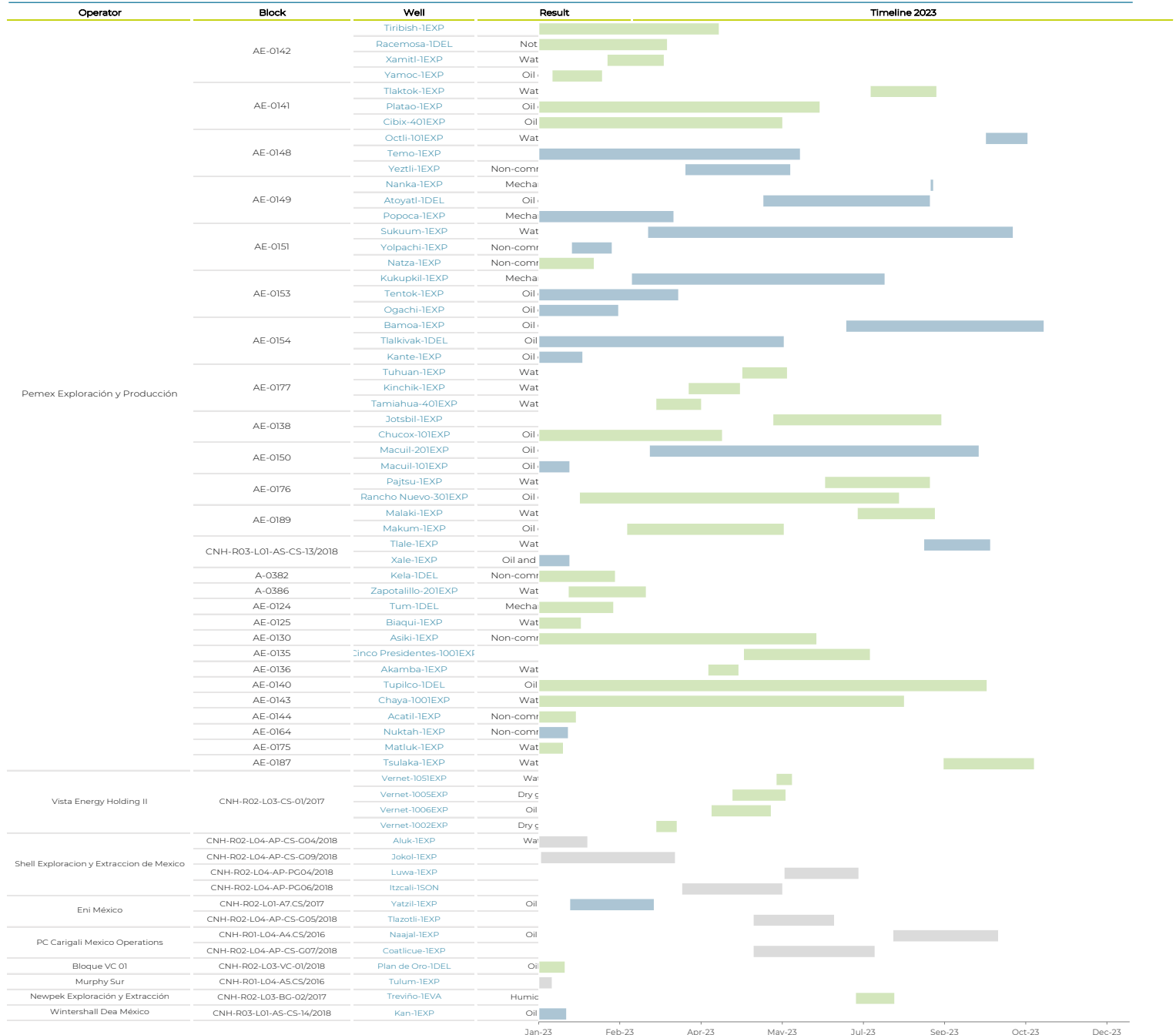
In accordance with the Well Drilling Guidelines (Lineamientos de Perforación de Pozos), there is a deadline for Oil Operators to report to the Commission the final drilling results and completion of exploratory wells; thus, information is subject to updating and changes.

¹The exploration success rate does not include appraisal wells and for the calculation it only considers exploration wells with the following results: producer, discoverer, successful and non-commercial producer.

Exploration success rate¹



Follow up of exploration wells completed in 2023



Notes

With the information available as of February 15, 2023.

In accordance with the Well Drilling Guidelines (Lineamientos de Perforación de Pozos), there is a deadline for Oil Operators to report to the Commission the final drilling results and completion of exploratory wells; thus, information is subject to updating and changes.

Onshore Shallow water Deep water

Discoveries in 2023

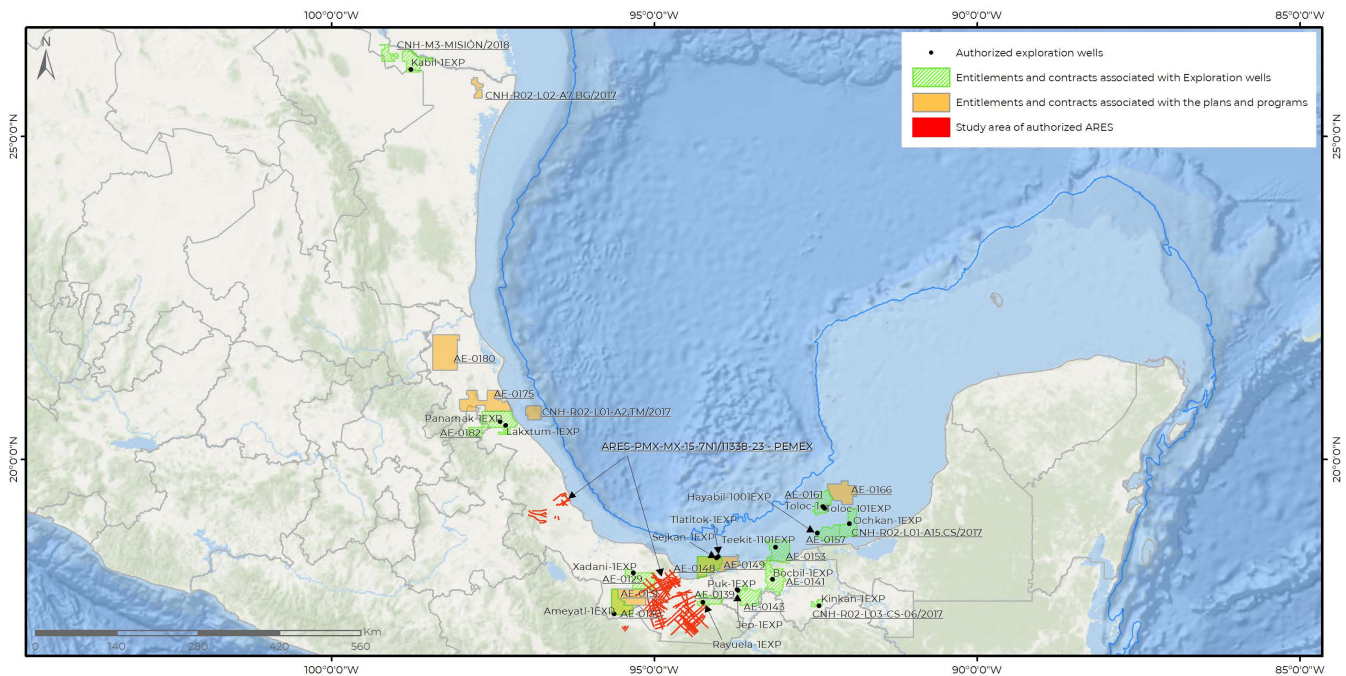
Operator	Block	Discovery	Location	Age	Preliminary volume	
					Liquid hydrocarbons (MMb)	Gas (Bcf)
Pemex Exploración y Producción	AE-0153	Tentok-1EXP_ST	Shallow water	Pliocene	21.21	18.92
		Tentok-1EXP_V			15.34	14.06
		Ogachi-1EXP			4.59	20.45
		Ogachi-1EXP (window)			11.23	11.41
	AE-0141	Platao-1EXP	Onshore	Upper Jurassic	134.10	1,741.00
		Cibix-401EXP	Onshore	Upper Miocene	36.85	26.66
	AE-0150	Macuil-201EXP	Shallow water	Middle Pliocene, Upper Miocene	19.53	10.53
		Macuil-101EXP	Shallow water	Middle Pliocene	17.57	4.37
	AE-0151	Yolpachi-1EXP	Shallow water	Upper Pliocene	2.90	0.82
		Tlakati-1DEL	Shallow water	Upper Miocene	10.10	3.40
	AE-0182	Yawa-1EXP	Onshore	Upper Cretaceous (Tamabra)	6.00	2.40
		Corralillo-157	Onshore	Upper Jurassic (Pimienta)	243.00	394.00
	CNH-R03-L01-AS-CS-13/2018	Xale-1EXP	Shallow water	Lower Pliocene	98.11	11.11
		Xale-1EXP (window)				
	AE-0130	Asiki-1EXP	Shallow water	Cretaceous	130.40	23.20
	AE-0136	Nayu-1EXP	Onshore	Upper Miocene	7.78	8.97
	AE-0142	Yamoc-1EXP	Onshore	Lower Pliocene, Upper Miocene	8.44	3.50
	AE-0148	Yeztli-1EXP	Shallow water	Upper Miocene	1.69	2.93
	AE-0152	Niquita-1DEL	Shallow water	Upper Miocene	9.30	4.78
	AE-0154	Kante-1EXP	Shallow water	Middle Pliocene	6.47	8.64
	AE-0164	Nuktah-1EXP	Shallow water	Cretaceous	101.10	0.11
	AE-0176	Rancho Nuevo-301EXP	Onshore	Upper Cretaceous (Tamabra)	0.43	0.58
	AE-0188	Obba-1EXP	Onshore	Cretaceous	50.00	22.00
AE-0189	Makum-1EXP	Onshore	Cretaceous (San Felipe)	3.00	2.00	
Vista Energy Holding II	CNH-R02-L03-CS-01/2017	Vernet-1006EXP	Onshore	Upper Pliocene (Encajonado)	0.48	0.19
		Vernet-1052EXP	Onshore	Upper Pliocene (Encajonado)	1.05	0.77
		Vernet-1004EXP	Onshore	Upper Pliocene (Encajonado), Lower Pliocene (Upper Amate)	0.77	6.50
		Kan-1EXP				
Wintershall Dea México	CNH-R03-L01-AS-CS-14/2018	Kan-1EXP	Shallow water	Upper Miocene, Middle Miocene	300.00	
		Kan-1EXP ST				
Eni México	CNH-R02-L01-A7.CS/2017	Yatzil-1EXP	Shallow water	Upper Miocene	62.26	31.64

Note:
Discoveries with ratification or knowledge by the CNH.

Authorizations and approvals during 2023

4	ARES projects	64	Exploratory wells	58	Plans and programs
1	With data acquisition	35	Onshore	49	Exploration plans
3	With no data acquisition	21	Shallow water	8	Appraisal programs
0	Well information with no acquisition	8	Deepwater	1	Pilot programs

Approvals and authorizations location Fourth quarter 2023



Visit the [Hydrocarbon Map](#)